

Supply the interwoven plastic sheets for coal stockpile covering

Date 29 February 2024



1. Purpose

Hongsa Power Company would like to procure the Contractor who is responsible for supplying the Interwoven Plastic Sheet to cover the Coal Stockpile at amount of **200 EA**.

2. Required documents and product samples

The Bidder shall submit documents and product samples for considering details as following:

2.1 Price proposal

2.1.1 Completely filled up ANNEX III: price bid

2.2 Commercial proposal and corporate documents

2.2.1 Completely filled up ANNEX IV: commercial bid

2.2.2 Copy of Company Registered document

2.2.3 Company profile

2.2.4 Copy of Tax Certificate

2.2.5 In case the Bidder is an authorized dealer for supply goods, such Bidder shall submit authorization letter, past experience, ISO certificate and related evidences presented to HPC for its consideration.

2.3 Technical proposal

2.3.1 Completely filled up ANNEX V: specification of the interwoven plastic sheet

2.3.2 Physical and Mechanical Properties Certificate of Interwoven plastic sheet which specified as **item 5.1.7 and 5.1.8** by Thailand Textile Industry Development Institute, Rama 4 Road, Phra Khanong, Bangkok.

2.4 Product samples

2.4.1 Single side Laminate Coating Fabric plastic sheet 1 × 1 m. 2 EA.

2.4.2 Double side Laminate Coating Fabric plastic sheet 1 × 1 m. 2 EA.

3. Submission of proposal

The Bidder's proposal shall be submitted to HPC in Three (3) separate sealed envelopes:

- **First (1st)** sealed envelope **Price Proposal Documents** shall contain:
 - a) Print copy of completely filled up **Annex III: Price Bid Form** in Clause 2.1.1 with company stamp or authorized signature
 - b) Print of the quotation with official heading of the Bidder's Company
 - c) USB Flash Drive containing the Excel file Annex III of item a) and PDF files of the Annex III of item a) and the quotation of item b).
- **Second (2nd)** sealed envelope **Commercial Proposal Documents** shall contain:
 - a) Print copy of completely filled up **Annex IV: Commercial Bid Form** in Clause 2.2.1 with company stamp or authorized signature.
 - b) Corporate documents as specified in Clause 2.2.

- **Third (3rd) sealed envelope Technical proposal documents** shall contain:
 - a) Print copy of completely filled up **Annex V: Specification** in Clause 2.3.1 with company stamp or authorized signature
 - b) Related documents as specified in Clause 2.3.
 - c) USB Flash Drive containing the Excel file Annex V of item a) and PDF files of the Annex V of item a) and the corporate documents of item b)

The Bidder shall submit **the required documents and product samples** not later than **4:00 PM** local time on the day of **15 March 2024** to HPC's office at the address below.

Hongsa Power Company Limited
Attention: Ms. Phannipa Kiatbumrung (Division Manager - Procurement)
3/37-38 Woravichai Road, Nai-Wiang District,
Muang Nan, Nan Province 55000

4. Acceptance and rejection of proposals

HPC reserves the right, at its sole discretion, to accept the quotation which in its own judgment is the most responsive and best quotation, to reject any and all quotation and to waive minor irregularities and informalities in any quotation submitted. HPC will reject any quotation which, in his judgment, is non-responsive. HPC will not be bound to award a contract to the Bidder who has submitted the lowest price quotation, but will take into account all evaluating factors and other factors deem to proper for the evaluation with the TOR documents, technical and financial qualification and capacity of the bidder to execute the work promptly and vigorously in such manner as to secure the delivery and/or completion within time specified.

5. Scope of work

5.1 Details of Interwoven Plastic Sheet

- 5.1.1 Size of Interwoven Plastic Sheet: width 12 m. length 52 m (Permissible error $\pm 2\%$), total weight is not less than 75 kg/EA
- 5.1.2 The Width of Interwoven Plastic Sheet is not less than 100 cm. A joint of each sheet shall be overlapped and sewed as specified in the attached drawing (Joint sheet by hot welding or sewing)
- 5.1.3 The center joint of Interwoven Plastic Sheets shall be covered by the Double Side Laminate Coating Fabric Plastic Sheet with width length 1.0-1.8 m.
- 5.1.4 The joint of each sheet shall be in good condition with full functioning and without damage from usage.
- 5.1.5 Edge of Interwoven Plastic Sheets shall be covered by double side laminate coating fabric plastic sheet width 30 cm. with different color from Interwoven Plastic Sheets. The Eyelet shall be pierced at edge line every 1 and 0.5 meter as attached drawing. Size of eyelet is $\frac{3}{4}$ inch or Number 32.

- 5.1.6 Interwoven Plastic Sheets shall be marked with the number in white color on the position as specified in attached drawing (4 positions/EA). Size of number: width = 30 cm. Height = 60 cm. and number are 1/2024 – 200/2024 respectively.
- 5.1.7 Specification of Interwoven Plastic Sheets Single and Double side Laminate Coating as follows.
- 5.1.7.1 Single side laminate coating fabric plastic sheet
- Weight of single side laminate coating fabric plastic sheet is not less than 120 gram/m².
 - Fiber composition
- 5.1.7.2 Double side laminate coating fabric plastic sheet
- Weight of double side laminate coating fabric plastic sheet is not less than 170 gram/m².
- 5.1.8 Mechanical Properties of Interwoven Plastic Sheets: single side laminate coating fabric plastic sheet via experiment validation by Thai Industrial Standards Institute (TISI 729-2553) as follows.
- 5.1.8.1 Ultimate tensile strength in the warp direction is **not less than 840 N**
- 5.1.8.2 Ultimate tensile strength in the weft direction is **not less than 840 N**
- 5.1.8.3 Elongation Percentage at break in the warp direction is **not less than 18**
- 5.1.8.4 Elongation Percentage at break in the weft direction is **not less than 18**
- 5.1.9 The Contractor shall fulfill all requirements as HPC specified. If the Contractor has any inquiries, the Contractor shall seek HPC advice.

6. Inspection and Acceptance

- 6.1 Physical and Mechanical Properties Inspection
- 6.1.1 During sewing production, HPC will send the representative to inspect and randomly check the product sample of totally 2 sets (1 set = single side laminate coating fabric plastic sheet 1 × 1 m² amount 1 EA and double side laminate coating fabric plastic sheet 1 × 1 m² amount 1 EA). One set will be kept by the Employer for reference, and the other set will be tested as specified in **item 5.1.6 and 5.1.7**.
- 6.1.2 HPC will send the Product Samples as item 6.1.1 to test physical and mechanical properties as specified in item 5.1.7 and 5.1.8 respectively. The test result will be taken into account for acceptance. All costs related to such inspection shall be borne by the Employee.
- 6.2 Acceptance inspection
- 6.2.1 HPC will randomly check the product (not less than 2 EA per lot). If any unqualified product is found, HPC shall check 100% of the product and accept only the products which pass the qualification.

6.3 Acceptance

6.3.1 The Employee shall deliver the completed products at Hongsa site, Hongsa District, Xayaboury Province, Lao PDR within **30 September 2024**.

6.3.2 Total weight, size and sewing details of product are completed as HPC requirement.

7. Payment

The Payment shall be made based on the quantity of product lot which are inspected and accepted by HPC.

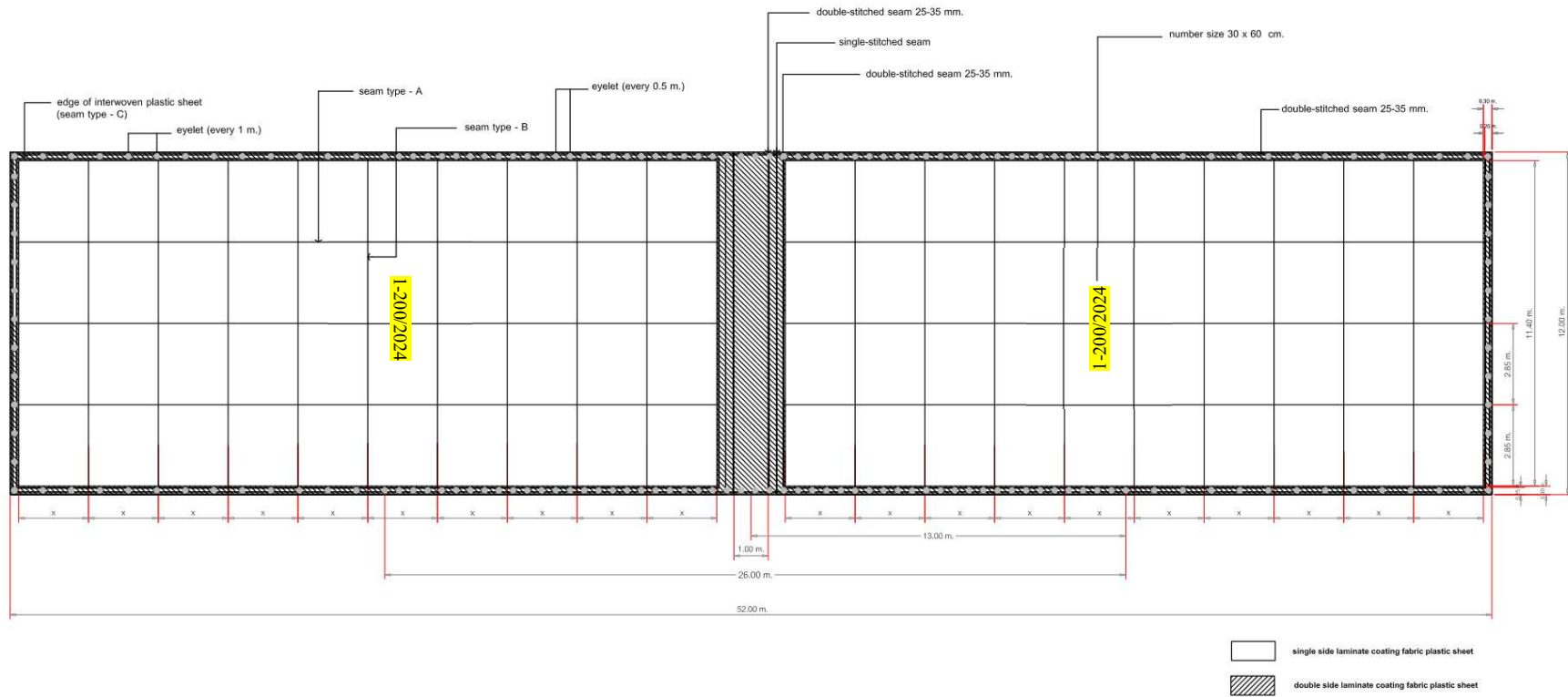
8. Delay Liquidation

If the Employee fails to achieve any delivery schedule under clause 6, the Employee shall pay the delay liquidated damages in daily rate 0.1% of the total price of undelivered Goods for each day of delay with maximum amount 10% of the total price of delayed goods.

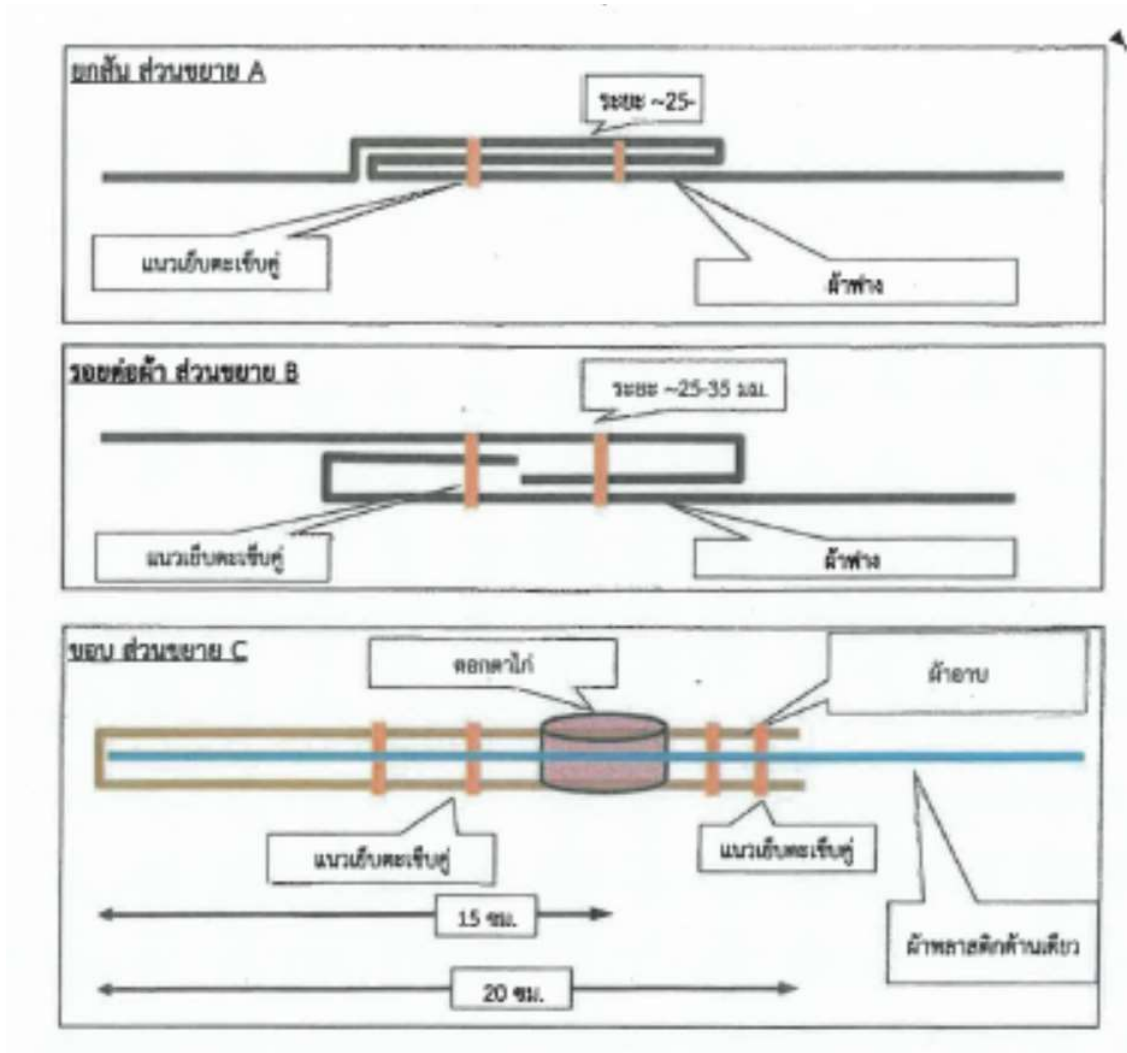
ANNEX

ANNEX I: The interwoven plastic sheet design (size 12 × 52 m.)

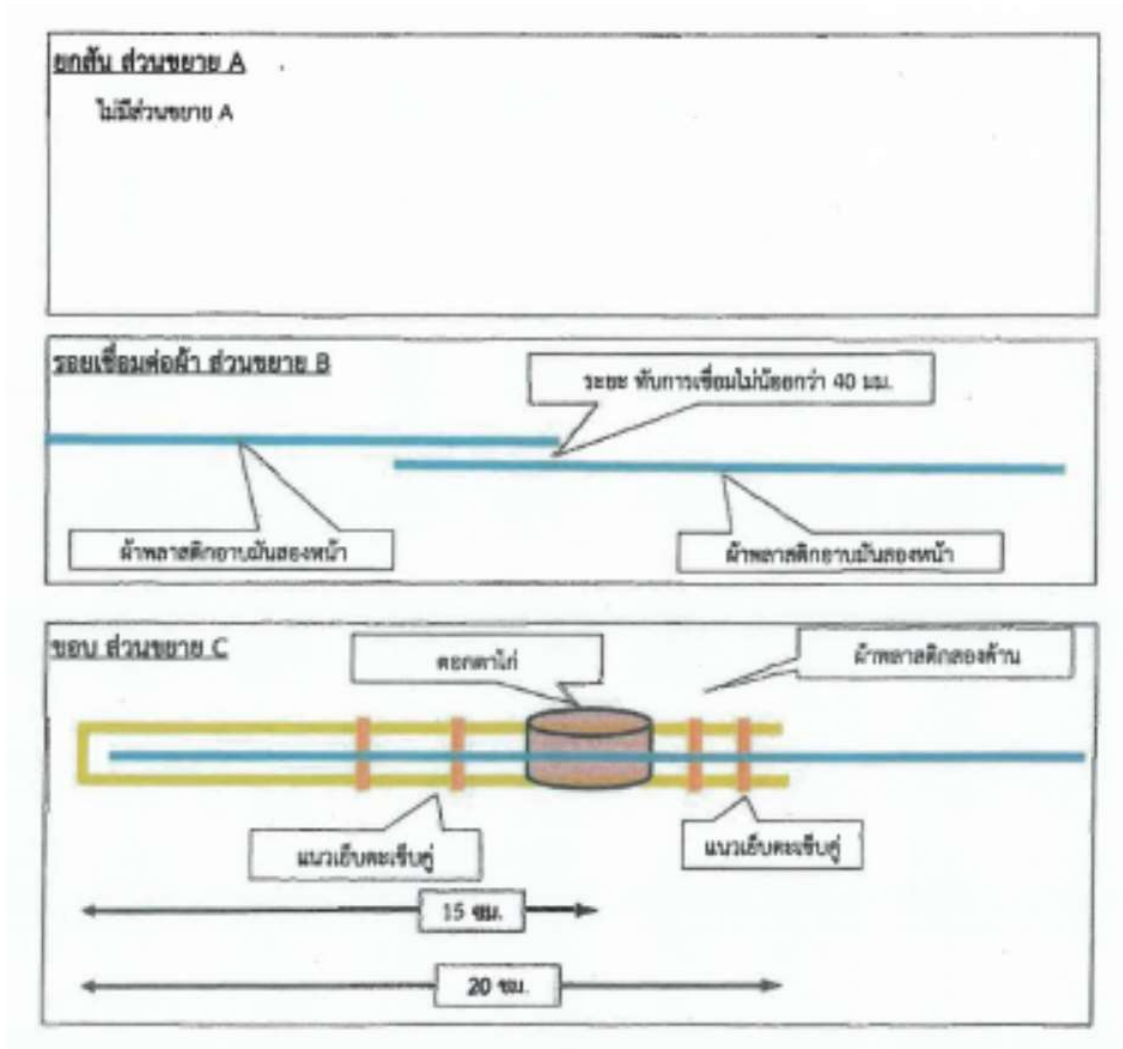
**Interwoven plastic sheets for coal stockpile covering
size 12 x 52 m.**



ANNEX II: Type I Details of the interwoven plastic sheet



ANNEX II: Type II Details of the interwoven plastic sheet



ANNEX III: Price bid

- Bidder has the right to bid proposal for one or both price bid item.

Item	Description	Qty		Bidder's Proposal		Remarks
				Unit Price	Total Price	
				THB	THB	
1	Interwoven plastic sheet	200	EA			including delivery cost, DAP Hongsa

ANNEX IV: Commercial bid

No	Description	HPC's preference	Bidder Confirmation
1	PRODUCT	Interwoven plastic sheet 200 EA	
2	PROPOSAL VALIDATION	60 days	
3	DELIVERY SHCHEDULE	1 st Lot: Deliver within 30 June 2024 (50 EA)	
		2 nd Lot: Deliver within 31 July 2024 (50 EA)	
		3 rd Lot: Deliver within 31 August 2024 (50 EA)	
		4 th Lot: Deliver within 30 September 2024 (50 EA)	
4	DELIVERY TERM	DAP Hongsa (Incoterms® rules 2010)	
5	WARRANTY	No damage from storage for a period of 6 months	
		The joint of each sheet shall be in good condition in normal working	
6	TERMS OF PAYMENT	Credit 30 days after goods are delivered at Hongsa site and accepted by HPC	
7	LIQUIDATED DAMAGE	Vendor will pay the delay liquidated damages in daily rate 0.1% of the total price of undelivered Goods for each day of delay with maximum amount 10% of the total price of delayed goods	

ANNEX V: Specification of the interwoven plastic sheet

Item	Description	Unit	HPS's Requirement	Bidder Confirmation	Remarks
1	Width	m.	12		(Permissible error $\pm 2\%$)
2	Length	m.	52		(Permissible error $\pm 2\%$)
Single side laminated coating fabric plastic sheet					
3	Weight	g/m ³	≥ 120		
4	Fiber composition	-	Polypropylene or as per supplier proposal		
5	Tensile strength				
	- Warp direction	N	≥ 840		
	- Weft direction	N	≥ 840		
6	Elongation percentage at break				
	- Warp direction	%	Min 18		
	- Weft direction	%	Min 18		
Double side laminated coating fabric plastic sheet					
7	Weight	g/m ³	≥ 170		